

Analog Output Sensor for Water Level Measurement

Analog Water Level Meter



<Abstract>

The $\Phi 18\text{mm}$ analog water level sensor for i-SENSOR is a thin analog water level sensor to be installed in a $20\text{mm}\phi$ -monitoring well.

This sensor outputs analog current (4-20mA) to be acquired its data by various data loggers available from the other manufacturers.

The data logger for GSM i-SENSOR makes it possible to monitor remotely for reliable measurement with low running cost as well as considerable reduction of initial installation cost.

The connection with the data logger for GSM i-SENSOR is simple and easy with its own connector.

*Depending on the specification of data loggers, the connection might not be possible. Please contact its manufacturers in advance.

<Features>

- Thin water level sensor($\phi 18 \times L235\text{mm}$) to be installed in VP-20 monitoring well.
- The atmosphere pressure compensation is not needed because of incorporated vent tube.
- The sensor is made of stainless steel (SUS316) against corrosion.
- The data logger for GSM i-SENSOR is available to send data by mail transmission from remote site.
- The special connector with GSM i-SENSOR is supplied as its accessory for easy connection.

<Specifications>

Water level measurement range	: 10m
Output current	: 4.0~20mA
Measurement accuracy	: ±0.2 %FS
Operation temperature range	: 0~50°C no condensation
Power requirement	: 10~24V
Current consumption	: 20mA max.
Dimensions	: Φ18mmxL 235mm

Cable	: 4 conductors with vent tube (2-line type)
Cable sheath material	: Vinyl chloride
Cable diameter	: Φ8.2mm
Probe material	: stainless steel

※The water level sensor is supplied with standard 20m cable.

<Data logger, optional>

The remote communication by using cellular network with the data logger for GSM i-SENSOR is available.



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Please note specifications are subject to change without notice for the improvement.

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